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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 09th April 1994

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Municipal Market Building,
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New Delhi-110005.

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Bose Road, Calcutta-700020.

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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 9 अप्रैल 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडो इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीप एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
फ्लैट नं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निज़ाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDUM

Under the heading 'PATENT SEALED' in the Gazette of India, Part III, Section 2 dated 25-2-1994. Delete No. 171806

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section 135, of the Patent Act, 1970.

14th February 1994

90/Cal/94. Krone Aktiengesellschaft. Insulation Displacement Contact Element.

91/Cal/94. Associated RT Inc. Cellular Telephone Location System.

92/Cal/94. Hoechst Aktiengesellschaft Method and appliance for the uniform distribution of a small amount of liquid on bulk materials.

93/Cal 94. Union Camp Corporation. 2, 2, 4-Trimethyl-Pentyl 1-YL Compounds and their use in fragrance and flavor Compositions.

94/Cal/94. Gebio Bioschek Gesellschaft m b.H. A Process for the production of S(+)—Ibuprofen-particles having improved flowing properties.

16th February 1994

95/Cal/94. N.V. Philips' Gloeilampenfabrieken. An Apparatus for a longitudinal magnetic tape recording system. (Divided out of No. 66/Cal/90; antedated to 12-1-90).

96/Cal/94. N.V. Philips' Gloeilampenfabrieken Magnetic-head means for use in a longitudinal magnetic-tape recording system. (Divided out of No. 66/Cal/90; antedated to 12-1-90).

97/Cal/94. Cytec Technology Corp. Asbestos-free Micro-denier acrylic fiber reinforced material for Gaskets and the like.

98/Cal/94 Cytec Technology Corp. Crimped acrylic fibers having improved thixotropic performance.

99/Cal/94. Degussa Aktiengesellschaft. Coated Sodium percarbonate particles, A process for their production and detergent Cleaning and bleaching compositions containing them.

17th February 1994

100/Cal/94 Mitsuba Electric Manufactuiing Co. Ltd Brush Device

101/Cal/94 Boryung Pharmaceutical Co Ltd. Detergent Composition.

18th February 1994

102/Cal/94. (1) Honda Motor Co. Ltd. and (2) Shindengen Electric Manufacturing Co. Ltd. Structure for connecting electrodes of Motor unit and Motor Driver unit.

103/Cal/94. ABB Henschel Waggon Union GmbH. Side Sills for 2-Axle Railway Goods Wagons.

104/Cal/94. Fondarex, F. Hodler & Cie S.A. A valve assembly for venting diecasting moulds.

105/Cal/94. Sapporo Breweries Ltd. and Oy Panimolaboratoria-Bryggerilaboratorium Ab. Yeast Agglutination genes and yeast containing them.

106/Cal/94. Giesecke & Devrient GmbH. A security document and method of producing it.

107/Cal/94. Wlodzimierz Grocholski. Method of and apparatus for dehydrating biological products and dehydrated Biological products.

Application for the patent filed at patent Office Branch, Municipal Market Building, IIIrd Floor, Karol Bagh, New Delhi-110005

13th December 1993

1398/Del/93. Havell's India Ltd., "Thermal over load relay".

1399/Del/93. Havell's India Ltd., "An electrical contactor".

1400/Del/93. Paul T. Baskis, "Reforming process and apparatus".

1401/Del/93. Ranpak Corp., "Fan-folded stock material for use with a cushioning conversion machine".

1402/Del/93. Sunil Kumar Verma and Rajesh Kumar Verma. "Improvements in or relating to folded Dipole Antenna".

14th December 1993

1403/Del/93. Council of Scientific & Industrial Research & Deptt. of Biotechnology, "A process for the preparation of a Nontoxinogenic Oral Vaccine for cholera".

1404/Del/93. W.R. Grace (Thailand) Limited, "PVC Free DRD coating". Convention date 31st December 1992 U.K.

1405/Del/93. Rohm GmbH, "Tanning Agents and process".

1406/Del/93. The Gillette Company, "Staple forming".

1407/Del/93. Reseal International Limited partnership, "One-way disc valve".

15th December 1993

1408/Del/93. Chicago Pneumatic Tool Company, "Mechanical lockout for a Pneumatic Tool".

1409/Del/93. The Procter & Gamble Company, "Non-Abrasive Mechanical Fastening System and process of manufacture therefor".

1410/Del/93. The Procter & Gamble Company, "Fold and Wrap package for catamenial pads providing convenient disposal".

1411/Del/93. The Procter & Gamble Company, "Absorbent article having a self releasable adhesive securement means".

1412/Del/93. The Procter & Gamble Company, "Flexible spacers for use in disposable absorbent articles".

1413/Del/93. The Procter & Gamble Company, "Absorbent article having a releasable adhesive patch".

1414/Del/93. The Procter & Gamble Company, "Absorbent article having upstanding transverse partition".

1415/Del/93. The Procter & Gamble Company, "Disposable absorbent article having an improved mechanical fastening system".

1416/Del/93. Statomat Spezialmaschinen GmbH., "Process and device for producing a wave winding, especially for rotary current generators".

15th December 1993

1417/Del/93. Exxon Chemical Patents, Inc., "Refrigeration working fluid compositions containing difluoroethane or pentafluoroethane".

1418/Del/93. Motorola Inc., "A reactance buffered wristband Loop Antenna".

1419/Del/93. AB Volvo, "Leaf Spring for a Rigid Axle of a Vehicle".

16th December 1993

1420/Del/93. Roy Jack Mankovitz., "Apparatus and method for identifying broadcast programs and accessing information relating".

1421/Del/93. Zeneca Limited, "Production of particulate materials", (Convention date 18th December 1992) U.K.

1422/Del/93. Norsk Hydro a.s., "Pulse-controlled Metering Device".

1423/Del/93. Amoco Corporation, "Method for preparing synthesis gas using nickel catalysts".

17th December 1993

1424/Del/93. Voest-Alpine Industrieanlagenbau GmbH, "An arrangement for Dosing, sizing and disintegrating Bulk Material".

1425/Del/93. T.A.M.I. Industries, "Inorganic Filtration Unit Comprising at least one integrated network for circulation of a liquid medium to be treated and/or of the recovered filtrate".

1426/Del/93. Zeneca Limited, "Azo Compound" (Convention date 12th January 1993 and 8th April 1993) U.K.

20th December 1993

1427/Del/93. Etablissements Courant SA., "Multilayer Pipe and Die for manufacturing it".

1428/Del/93. Peter Jeney and Ernst Christen, "Apparatus and methods for the utilization of combustible materials especially of industrial and household waste".

1429/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Shroud for forced cooling in internal combustion engine".

1430/Del/93. Honda Giken Kogyo Kabushiki Kaisha and Sanyo Electric Co., Ltd. "Battery with Rust preventive structure".

1431/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Structure of Shroud opening for the intake of Cooling Air in Air-Cooling Type Internal combustion Engine".

1432/Del/93. Cosco (India) Private Limited, "A process for the preparation of epoxidised natural rubber".

22nd December 1993

1433/Del/93. Indo-French Centre for the promotion of advanced Research, "An improved process for the preparation of a metal containing Zeolite Catalyst, an improved process for the conversion of alkanes to alkenes and a process for the conversion of N-Octane to styrene using the Zeolite Catalyst."

1434/Del/93. Steel Authority of India Ltd., "A mechanised system for prevention of corrosion of metallic parts in a Gas Cleaning Plant".

1435/Del/93. L'Air Liquide, Societe Anonyme Pour L'etude Et L'exploitation Des procedes Georges Claude, "process and installation for the production of at least one gaseous product under pressure and at least one liquid by distillation of air".

1436/Del/93. Rohm and Haas Company, "Polyurethane mixture".

1437/Del/93. Mag Maschinen Und Apparatebau Aktiengesellschaft, "A method and an apparatus for winding up round material on a drum provided with terminal flanges".

1438/Del/93. Southwire Company, "Premix Burner for furnace with gas enrichment".

22nd December 1993

1439/Del/93. The Procter & Gamble Company, "Difluoro Pentapeptide derivative anti-inplammatory agents".

1440/Del/93. The Proctor & Gamble Company, "Absorbent article having optional side flaps".

1441/Del/93. The Procter & Gamble Company, "Dispersing agent." (Convention date 24th December 1992) U.K.

1442/Del/93. Pollet Industrie, "Prefabricated panel and method for manufacturing it".

1443/Del/93. Orbital Engine Company (Australia) Pty. Ltd., "Capacitive Ignition system for internal combustion engine". (Convention date 24th December 1992) AU.

1444/Del/93. Stein Industrie, "Heat Recovery method and device suitable for combined cycles".

1445/Del/93. Aktiebolaget Astra, "New Peptides".

23rd December 1993

1446/Del/93. Jens Korsgaard, "Vessel Mooring System."

1447/Del/93. Petersen manufacturing Co. Inc., "Tool Display Package".

1448/Del/93. Scoot about International Limited. "A moveable, Load-supporting apparatus". (Convention date 23rd December, 1992 and 3rd November 1993) U.K.

24th December 1993

1449/Del/93. Royal Appliance Mfg. Co., "Electrically insulating Belt drive for vacuum cleaner motor assembly".

1450/Del/93. The Procter & Gamble Company, "Clear detergent gels".

1451/Del/93. Langerbein-scharf GmbH & Co. KG., "Mining support".

1452/Del/93. Advanced Elastomer systems, L.P. "Thermoplastic Elastomers having improved low temperature properties".

1453/Del/93. The Procter & Gamble Company, "and Genencor International, Inc., "A Cleaning Composition"

27-12-1993.

1454/DEL/93. S. M. Ist Iaque, J. K. Chatterjee, P. K. Hari and A. K. Battu," Computer Controlled Fancy Draw Frame Machine with the Variable Motor Drive System."

1455/DEL 93 S. M. Ishtaque, "Design and fabrication on rotor for open-end Rotor Spinning Machine."

1456/DEL, 93. The Gillette Company, "Marking Instrument." (conv. date 14th Jan 1993) U. K.

1457/DEL/93. Roy J. Mankovitz, "Apparatus and method using compressed codes for Television program record scheduling."

28-12-93

1458/DEL/93. Council of Scientific and Industrial Research "A process for the preparation of Activated Charcoal From Water Hyacinth."

1459/DEL/93. Council of Scientific and Industrial Research, "A process for the preparation of Activated Carbon,"

1460/DEL/93. Council of Scientific and Industrial Research "A process for the preparation of Activated Fibrous Carbon."

1461/DEL 93. Council of Scientific & Industrial Research, An improved process for the production of pretensioned prestressed concrete structural elements using cuntailed Prefensioned Tendens (Wires or Strands)."

1462/DEL/93. Council of Scientific and Industrial Research, "An improved process for the preparation of Aromatic Hydrocarbons and LPG."

1463/DEL/93. Council of Scientific and Industrial Research, "A process for the production of solid to Toughened and Flexible Board and a Board Prepared There by."

1464/DEL/93. Council of Scientific and Industrial Research, " An Improbed process for the preparation of 2RS. 3RS) - 3-(2-Aminopheny Thio)-2 Hydrox-3 (4-Methoxyphenyl) - Propionic Acid, A Key Intermediate for the Synthesis of Diltiazem."

1465/DEL/93. Council of Scientific and Industrial Research, "A process for the preparation of Hydrolytically Stable Macroporous Beads."

1466/DEL/93. Council of Scientific and Industrial Research, " A process for the Isolation of Podophyllotoxin and 4'-Demethylopodophyllocoxin from the Marc of Podophyllin (Podophyllotoxin Resin."

1467/DEL/93. Council of Scientific and Industrial Research, "An improved process for the production of a Bio-Insecticide, Pyrethrum Oleoresin 20% W/W from pyrethrum Flowers."

28-12-93.

1468/DEL/93. Council of Scientific and Industrial Research, "An improved device useful for Creep Rupture Testing of thin walled tube specimen at room/elevated temperatures."

1469/DEL/93. Council of Scientific and Industrial Research, "A process for the Isolation of Podophyllotoxin 1-0-B-D-GLucopyra Noside and 4'-Demethyl-Podophyllotoxin-1-0-B-D-G Lucopy-Ransoside from Marc of Podophyllotoxin Resin obtained from the Roots of Podophyllum-Emodi."

1470/DEL/93. Council of Scientific and Industrial Research, "A Device useful for conducting controlled velocity corrosion test in a Vaccun Distillation Unit."

1471/DEL/93. Avtar Singh Suden, "Windex Foundry Compound."

1472/DEL 93 Utah La Grange, Inc., 'Compressed Air Foam Pump Apparatus."

1473/DEL/93 Motorola Inc, Code division multiple Access (CDMA) Inbound Messaging System Utilizing Re-use of Sequences."

1474/DEL/93. Corning In Corporated, "Photochromic Glasses which Darken to a Pink Huse."

1475/DEL/93. Ivan Sandurkov, " A Conveying Device."

1476/DEL/93. Morton International. Inc., "Deep UV Sensitive Photoresist Resistant to Latent Image Decay."

1477/DEL/93. Motorola Inc., "Method of Reducing Control Channel Traffic in a radio communication system."

1478/DEL/93. Morton International, Inc., "A source of photochemically Generated Acid for Microelectronic Photoresists."

29-12-93.

1479/DEL/93. Council of Scientific and Industrial Research, "Improvements in or relating to the Development of a rapid repair technology for Damaged concrete structures."

1480/DEL/93. Council of Scientific and Industrial Research, "Novel Method of Extraction of Fatty Alcohol Mixtures Rich inn—Triacontanol from plant waxes using High Pressure Carbon Dioxide."

1481/DEL/93. Council of Scientific and Industrial Research, "A cable Bolt useful for Depillaring of thick coal seams and a Method Therefor."

1482/DEL/93. Council of Scientific and Industrial Research, An improved process for the production of sterilised spices particularly black pepper."

1483/DEL/93. Council of Scientific and Industrial Research, An improved process for the preparation of esters from Carboxylic Acids and Alcohols using Zeolite Catalysts."

1484 DEL/93. Council of Scientific and Industrial Research, "A process for the production of fire resistant chemical composition useful for the production of Asphaltic Paper Board."

1485/DEL/93. Council of Scientific and Industrial Research, "An Improved process for the Manufacture of paddy husk Boards with synthetic surface and paddy husk Boards made Thereby."

1486/DEL/93. Rohm and Haas Company, "Iron stabilizers for 3-Isothia-Zolones."

1487/DEL/93. Motorola Inc., "Efficient Amplitude/phase modulation amplifier."

1488/DEL/93. Morgan Construction Company, "Multiple Outlet finishing Mill."

1489/DEL/93. Hunter Douglas International, N.V.," A panel system and a panelling member therefor." (Convention date 7th January, 1993.)-U.K.

1490 DEL/93. Elisa Di de Santi Piero, "Manufacturing Process for panels or similar products made of insulating Materials and panel or product obtained by such process."

1491/DEL/93. LML Limited, "Sliding Back Rest-swivelling type for dual Seat."

1492/DEL/93. Royal Appliance Mfg. Co., "Stick type vacuum cleaner."

1493/DEL/93. M. M. Sharma, "A Gas/Liquid Reactor.."

1494/DEL/93. M. M. Sharma, "A process for the Preparation of a 2 Pheny-Lethanol Tert-Butyl Ether (Petbe)."

30-12-93.

1495/DEL 93. Bausch & Lomb in Corporated, "Preservative system for contact Lens Solutions"

31-12-93.

1496/DEL/93. Industrial Arte Technica S. A., "Elasting fastening clamp in shape of Double C."

1497/DEL/93. Vinod Kumar, "Wood fired Cremation furnance."

ALTERATION OF DATE UNDERSECTION-16

173345 (10/Cal/91)—antedated to 5th October, 1990.

173346 (78/Cal/91)—antedated to 6th November, 1987.

173349 (108/Cal/92) antedated to 4th July, 1989.

Patent No. 173358 (344/M/91)—Ante-dated to 13th August, 1987.

Patent No. 173359 (450/M/91)—Ante-dated to 15th October, 1987.

Patent No. 173360 (451/M/91)—Ante dated to 15th October, 1987.

Patent No. 173369 (154/M/92)—Ante-date to 27th July, 1988.

Patent No. 173370 (155/M/92)—Ante-dated to 27th July, 1988.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 68 E. 173331

Int. Cl.[4] : G05F 1/00.

Title : APPARATUS FOR REMOTELY PROTECTING THREE PHASE ELECTRICITY SUPPLY DISTRIBUTION TRANSFORMER.

Applicant : THE ELECTRICITY COUNCIL, UNITED KINGDOM, P. O. BOX 209, 30 MILLBANK, LONDON SW1P 4RD, UNITED KINGDOM.

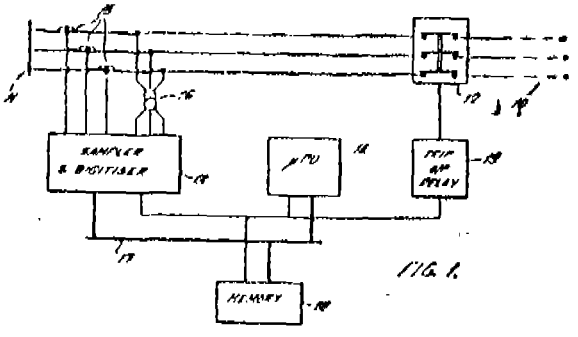
Inventor : JOHN THOMAS HAMPSON.

Application for Patent No. 806 DEL 87 filed on 15 Sept 1987. Convention date 30 Sept 1986/8623467/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005

(Claims 5)

Apparatus for remotely protecting three phase electricity supply distribution transformers, comprising monitoring (15, 16, 13) means adapted for monitoring parameter of the supply in a distribution cable (10) to the transformers (11); control (14,19) means connected to the monitoring (15, 16, 13) means and responsive to the monitored parameters to detect a change in at least one selected function of the parameters, which can be indicative of a fault current flowing in the distribution cable (10), to analyse any such change to determine the likely existence and magnitude of any such fault current and to generate a trip signal in dependence upon such analysis; and a circuit (12) breaker means connected to the control (14, 19) means and responsive to the trip signal to isolate the distribution cable (10), wherein said control (14, 19) means comprises digital computer (14) means and said monitoring (15, 16, 13) means comprises sampling and digitising means (13) controlled by said computer (14) means repeatedly to sample parameters of the supply and to digitise said samples for reading by the computer (14) means.



(Complete Specification 22 pages

Drawing Sheets 6).

Ind. Cl. : 128G. 173332

Int. Cl.[4] : A 61 F 5/00.

Title : INTRAUTERINE CONTRACEPTIVE DEVICE.

Applicant : NAUCHNO-PROIZVODSTVENNOE OBIEDINENIE "MEDINSTRUMENT", OF ULITSA K. TINCHURINA, 31, KAZAN, U.S.S.R.

Inventors : RAISA VLADIMIROVNA GAINUTDINOVA, BORIS ANDREEVICH JUROV, BENTSIAN MOISEEVICH MAZO AND VERA MITROFANOVNA PETROVA.

Application for Patent No. 812/DEL/87 filed on 16-9-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 3)

An intrauterine contraceptive device comprising a strip which is connected to a rod to form a T-shaped element therewith, a coil being mounted on said rod, and a thread for dynamically monitoring said device inside the uterine cavity, said thread being located between said coil and said cavity, said thread being located between said coil and said is connected to said rod.

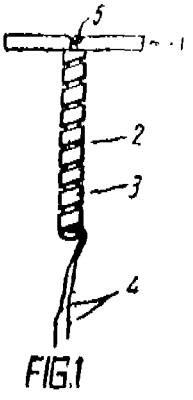


FIG.1

(Complete Specification 5 pages

Drawing Sheet one).

Ind. Cl. : 48 A. 173333

Int. Cl.[4] : B 32B 15/01, H01B 1/16.

Title : A PROCESS FOR PRODUCTION OF ELECTRICAL CONTACT MATERIAL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : PARIMAL KUMAR DE, SANTIPADA CHAKRABORTY, SUJAN KRISHNA CHAUDHURI AND RADHA KRISHNA DUBEY.

Application for patent no. 1162 DEL 87. Filed on 11DEC 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claim 8

A process for the production of electrical contact material which comprises ;

(i) through mixing of a high melting point metal powder such as herein described with a non-hydroscopic volatile compound such as herein described in a ratio in the range of 9:1 to 20:1.

(ii) charging first into a die a low melting point metal powder 1/6th of the high melting metal powder, followed by said mixture of high melting point metal powder and volatile compound obtained in step (i);

(iii) compressing both the powder layers simultaneously in the die to form a two layer green compact;

(iv) subjecting the said two layer green compact to thermal treatment by heating upto temperature 1100-1200 C in hydrogen atmosphere or in an inert guseous atmosphere.

(Complete Specification Pages 10.)

Ind. Cl. : 128 G. 173334

Int. Cl* : A61M1/00.

Title : RESERVOIR FOR COLLECTING AND DELIVERING BLOOD.

Applicant : PFIZER HOSPITAL PRODUCTS GROUPIN INC. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor(s) : ALFRED VITO VASCONCELLOS, PRESTON JESS KEELER.

Applicatoin for patent No. 568-Del 89. Filed on 29 Jun 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

(Claims-11)

A reservoir for collecting and delivering blood comprising:

a housing forming therein a collection chamber having a plurality of blood receiving compartments capable of fluid flow intercommunication;

an inlet for introducing blood into said collection chamber and an outlet for conveying blood out of said collection chamber, with a first of said compartments being in fluid flow communication with said inlet and with a third of said compartments being in fluid flow communication with said outlet;

fluid flow communication means between said first compartment and a second of said compartments;

first fluid seal means provided between said second compartment and said third compartment for creating a first fluid seal therebetween;

means provided in said first and said second compartments for establishing a negative pressure therein said negative pressure being sufficient to maintain a flow of blood into said first and second compartments;

second fluid seal means provided between said first and said second compartments for creating a second fluid seal therebeteen while maintaining negative pressure in said first compartment to maintain a flow of blood thereinto and while maintaining said first fluid seal; and

blood transport control means connected to said first and second fluid seal means for selectively displacing said fluid seal means thereby releasing said fluid seals and providing selective fluid flow communication between said compartments and for selectively re-establishing said fluid seals and selectively closing fluid flow communication between said compartments.

(Complete specification 13 Pages Drawing Sheets-8)

Ind. Cl. : $32F_{10}+55E_4$. 173335

Int. Cl* : C07D 311/04

Title : A PROCESS FOR THE SYNTHESIS OF NOVEL 2-(4-(2- PIPERIDINO-ALKOXY) PHENYL-3-SUBSTITUTED PHENYL -2H-1-BENZOPYRANS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

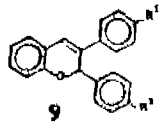
Inventor(s) : RANDHIR SINGH KAPIL, SUSHEEL DURANI, JANAK DULARI DHAR AND BACHU SREENIVASULU SETTY.

Application for Patent No. 1031 DEL 89 filed on 8 Nov 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi 110005.

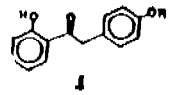
Claims-11)

A process for the synthesis of novel 2-(4-(2-piperidinoalkoxy) phenyl)-3 (substituted phenyl) -2H-1-benzopyran of the formula (9) shown in the drawings accompanying this specification.



9

wherein R^1 and R^2 have the meanings as herein described which comprises reacting the compound of the formula (1)

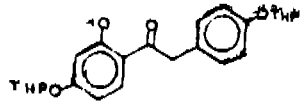


1

in presence of sulphonic acid or substituted sulphonic acid such as herein described with a dihydropyran of formula (3).

3

to give a tetrahydropyranyl (THP) ether of formula (2) reacting the compound of formula (2).

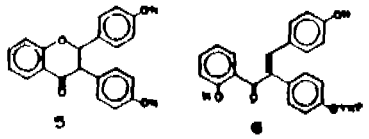


2

with an aldehyde of formula (4).

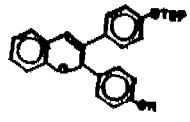
4

in presence of an organic solvent to produce a mixture of formula (5) and (6):

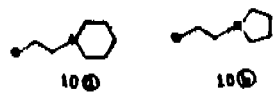


5 6

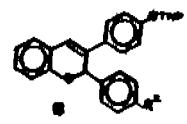
separating the said mixture by chromatography, treating the compound of formula (6) with a borohydride with constant stirring to yield the compound of formula (7);



treating the said compound of the formula (7) with 2-pyrrolidino 2-piperidino alkyl halide of the formula 10(a) or (10b).



to produce THP ether derivative of formula (8); depyranylating the compound of formula (8);



by known methods to get a compound of formula (9) where in R^1 is pyrrolidino (10b) or piperdino alkoxy (10a) group and, acylating or alkylating the compound of (9) wherein R^1 is other when (OH) and R^2 has the meaning as given above to a compound of formula (9) by conventional methods.

(Complete specification 12 pages and Drawing 2 sheet)

Int. Cl. : $32F_{8a}$ & $55E_4$: 173336

Int. Cl.[4] : CO7D 311/04.

Title : A PROCESS FOR THE SYNTHESIS OF NOVEL 2-(4— ALKOXY (PHENYL)-3-SUBSTITUTED PHENYL-7-H/ALKOXY/ACYL-2H-1-BENZOPYRANS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860);

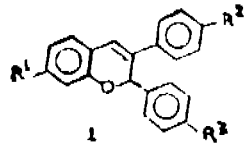
Inventor(s) : RANDHIR SINGH KAPIL, JANAK DULARI DHAR AND SREENIVASULU BACHU SETTY

Application for patent No. 1032 DEL 89 filed on 8 Nov 1989.

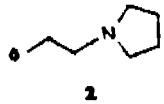
Appropriate office for opposition proceedings (Rule 4 Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(Claims 10)

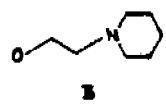
A process for the preparation of 2-(4-alkoxyphenyl)-3-substituted phenyl-7-H/alkoxy/acyl-2H-1-benzopyrans of the formula (1)



wherein R^5 represents one of the radicals of the formulae (2) or (3).



2



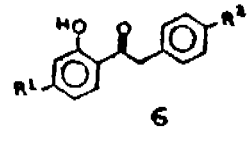
3

and R^1 and R^2 represent as below R^1 R^2 (both normal as well as iso-except the first three groups).

—H	—H
—OH	—OH
$-OCH_3$	$-DCH_3$
$-OC_3H_7$	$-OC_3H_7$
$-OC_4H_9$	$-OC_4H_9$
$-OC_7H_{15}$	$-OC_7H_{15}$
$-OC_{10}H_{21}$	$-OC_{10}H_{21}$
$-OC_{12}H_{25}$	$-OC_{12}H_{25}$
$-OC_{15}H_{31}$	$-OC_{15}H_{31}$
$-OC_{17}H_{35}$	$-OC_{17}H_{35}$
$-OCOCH_3$	$-OCOCH_3$
$-OCOC_2H_5$	$-OCOC_2H_5$
$-OCOC_3H_7$	$-OCOC_3H_7$
$-OCOC_5H_{11}$	$-OCOC_5H_{11}$
$-OCOC_7H_{15}$	$-OCOC_7H_{15}$
$-OCOC_9H_{19}$	$-OCOC_9H_{19}$
$-OCOC_{14}H_{29}$	$-OCOC_{14}H_{29}$
$-OCOC_{15}H_{31}$	$-OCOC_{15}H_{31}$
$-OCOC_{17}H_{35}$	$-OCOC_{17}H_{35}$

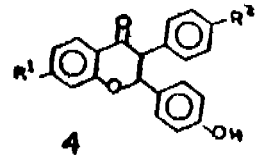
which comprises :

(A) Condensing deoxybenzoin of formula (6)



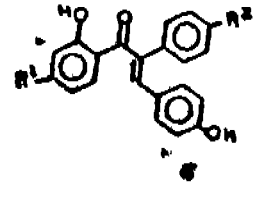
6

where R^1 and R^2 are hydrogen or hydroxyl with 3,4-dihydropyran; reacting the compound of formula (6) or its above with 4-hydroxybenzildehyde in presence of an organic solvent to produce a mixture of dihydrobenzopyranone of formula (4).



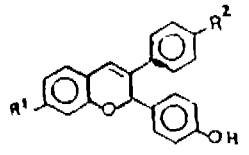
4

and 2-phenylchalcone of formula (5).



5

separating said the mixture by chromatography; reducing the 2-phenylchalcone of the formula (5) by known methods using a boro-hydride, in situ cyclodehydrating of the resultant compound to from a phenol of the formula (7).



7

treating the compound of the formula (7) with piperidino- or pyrrolidinoalkyl halide of the formula (2) or (3) in presence of a refluxing agent and an organic solvent and depyranylating the product by known methods to produce the compound of the formula (1) wherein R^1, R^2 represent OH, H and R^3 has the meanings given above and alkylating or acylating the compound of formula (1) when R^1 and R^2 are OH groups to yield compounds of the formula (1) wherein R^1 and R^2 are other than H and OH as given above.

(Complete specification 12 pages Drawing 2 sheet)

Ind. Cl. : 32 F_{3a} & 55E_1. 173337

Int. Cl^4 : CO7D 311 04.

Title : A PROCESS FOR THE SINTHESIS OF 2-(4-ALKOXYPHENYL) -3-SUBSTITUTED PHENYL-7-ALKOXY/ACYL-2H-1-BENZOPYRANS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

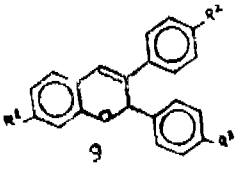
Inventor(s) : RANDHIR SINGH KAPIL, SUSHEEL DURANI, JANAKDULARI, AND BACHU SREENIVASULU SETTY.

Application for patent No. 1033 Del 89 filed on 8 Nov 1989

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

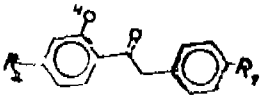
(Claims 12)

A PROCESS FOR THE PREPARATION OF 2-(4-alkoxyphenyl)-3- substituted phenyl-7-alkoxyl /acyl-2H-1-benzopyrans of the formula (9) showing the drawing.

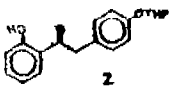


9

accompanying this specification, wherein R^1, R^2 and R^3 have a meaning as given above and which comprises : (A) Converting the compound of formula (1).

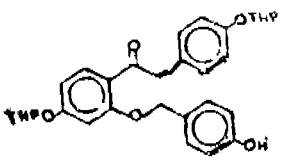


wherein R^1 and R^2 represents hydroxy or H into its bis (tetrahydropyranyl) ether of the formula (2).

THPO 

2

through reaction with 3, 4-dihydropyran in presence of sulphonic acid such as herein described reacting the compound of for mula (2) with 4-hydroxybenzaldehyde to produce a mixture of the compounds of formula (3) and (4).



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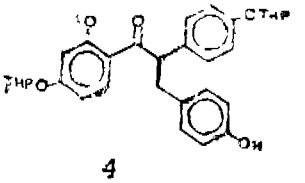
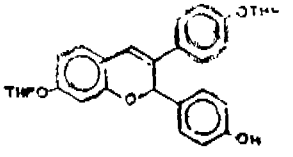
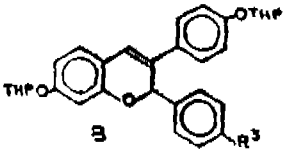


4

separating said the mixture chromatographically; reacting the compound of formula (4) with a boro hydride followed by *in situ* cyclodehydration to form a phenol of the formula (5)



treating the compound of formula (5) with 2-piperidino or 2-pyrrolidincalkyl halide in presence of a refluxing agent and an organic solvent to yield a compound of formula (8)



8

depyranylating the compound of formula (8) by known methods to form the compound of formula (9)

wherein R^1 & R^2 = OH or H; converting the said formula (9) by alkylating or acylating by known methods produce a compound of formula (1)

where in R^1 and R^2 is other than OH and H and R^3 has the meaning as mentioned above.

(Complete specification 12 Pages and Drawing 3 sheet).

Ind. Cl : 32 F_5 & 55E_{11}. 173338

Int. Cl^4 : CO 7D 235/32.

Title : A PROCESS FOR THE SYNTHESIS OF ALKYL-5 (6)—((N^1, N^3—DICARBO ALKOXYGU- ANIDINO) PHENYL) CARBONYLBENZIMIDAZOLE-2-CARBAMATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

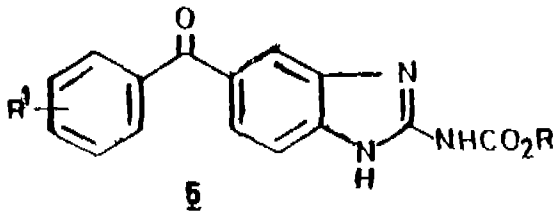
Inventor(s) : VIJAY OJHA, JUJHAR SINGH, DEWAN SINGH BHAKUNI, SOM NATH, AMALENDU DUTTA, RANJEET KUMAR CHATTERJEE.

Application for Patent No. 1047 DEL 89 field on 10 Nov 1989.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

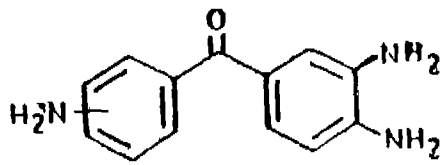
4 Claims

A process for the synthesis of alkyl 5 (6) (N^1, N^3-dicarbalkoxyguanidino) phenyl) carbonylbenzimidazole-2-carbamates of the formula 5.



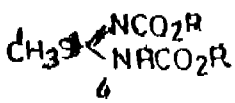
5

accompanying this specification wher R^1 represent N=C ($NHCO_2$ R_2 and R represents alkyl group which comprises refluxing triaminobenzophenone of the formula 3



3

with N^1, N^3-dicarbalkoxy-S-alkylpseudothiourea of the formula 4



6

where R is alkyl, in the presence of protic or aprotic solvents.

(Complete specification 6 pages and Drawing 1 Sheet.)

Ind. Cl. : 32 F- & 55E4. 173339

Int. Cl⁴ : CO7D-493/00.

A PROCESS FOR THE PREPARATION OF NOVEL SODIUM P-/ (12-α -DIHYDROARTEMISININOXY) METHYL/BENZOATE, USEFUL AS AN ANTIMALARIAL DRUG.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

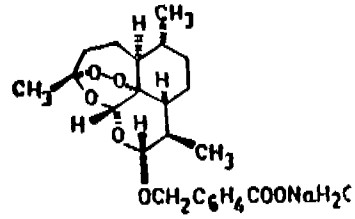
Inventor(s) : RAM ASREY VISHWAKARMA, RAI MEHROTRA, RAGHUNATH SINGH THAKUR, GURU PRAKASH DUTTA, RENU BAJPAI.

Application for patent No. 1096/DEL/89 filed on 23 Nov 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

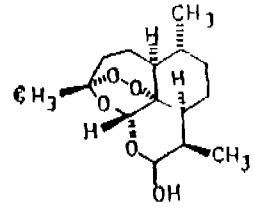
2 Claims

A process for the presentation of novel sodium P[12 α-dihydroartemisininoxy) m[illegible] benzoate of the formula VII



VII

accompanying the specification which comprises reacting dihydroartemisinin of the formula II

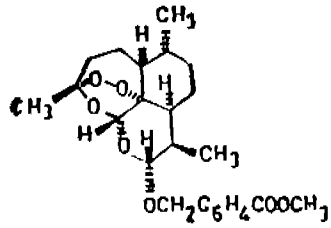


II

with p-(iodomethyl) benzoate of the formula IV

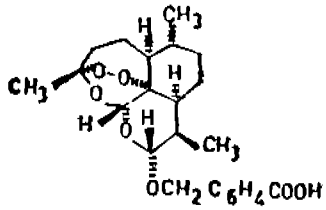
IV

in the presence of dry dichloromethane using silver oxide as a catalyst at room temperature under magnetic stirring, produce mithyl p-cc12 α-dihydroartemisiminoxy) methyl) benzoate of the formula V, hydrolyzing the compound of the formula V



V

by known methods to give compound of the formula VI



VI

(also called α-artelinic acid), chemically lyophilizing (by freeze drying) the compound of the formula VI by conventional methods to produce the compound sodium p-((12 α-dirydroartemisininoxy) methyl) benzoate of the formula VII

(Complete Specification 7 pages and Drawing 1 Sheet)

Ind. Cl. : 189 [LXVI (10)].

173340

Int. Cl.[4] : A61K 6/00.

A METHOD OF PREPARING AN ORAL DENTIFRICE COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A DELAWARA CORPORATION, OF 300 PARK AVENUE NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor(s) : NURAN NABI, ABDUL GAFFAR, JOHN AFFLITTO, ORUM STRINGER, MICHAEL' PRENCIPE. CIPE.

Application for Patent No. 1223 DEL 89 filed on 21 Dec 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

A method of preparing an oral dentifrice composition, said method comprising mixing an orally acceptable vehicle such as herein described, 5—30% by weight of a siliceous polhising agent and 0 25%—0.35% by weight of a substantially water insoluble noncationic antibacterial agent selected from the group consisting of halogenated diphenyl ethers, halogenated salicylanilides, benzoic esters, halogenated carbanilides and phenolic compounds, 0.05—4% by weight of an antibacterial-enhancing agent having an average molecular weight of 100 to 1,000,000 and contains at least one delivery-enhancing functional group such as herein described and at least one organic retention-enhancing group such as herein described, wherein said delivery-enhancing group enhances delivery of said antibacterial agent to oral tooth and gum surfaces and said retention-enhancing group enhances attachment, adherence or bonding of said anti-bacterial agent on oral tooth and gum surfaces, and optionally at least one of a surface active-agent, a flavoring oil or an anticaries agent such as herein described wherein said oral composition is free of polyphosphate anticalculus agent in an effective anticalculus amount

(Complete Specification 59 Pages).

Cl. : 40 B

173341

Int. Cl.[4] : C 08 F 4/66.

PROCESS FOR PREPARING A SOLID CATALYST COMPONENT FOR THE POLYMERIZATION OF OLEFINS.

Applicant : HIMONT INCORPORATED OF THREE LITTLE FALLS CENTRE-2801 CENTRE VILLE ROAD—WILMINGTON, DELAWARE 19850-5439—U.S A.

Inventors :

(1) ENRICO ALBIZZATI.

(2) LUCIANO NORISTI.

(3) RAIMONDO SCORDAMAGLIA.

(4) LUISA BARINO.

(5) UMBERTO GIANNINI.

(6) GIAMPIERO MORINI.

(7) PIER CAMILLO BARBE.

Application No. 789/Cal/89; filed on 27th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

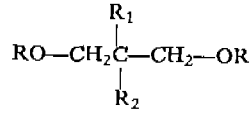
8 Claims

A process for preparing a solid catalyst component which contains ether in amount from 5 and 20% moles with respect to the magnesium dichloride and the Mg/Ti ratio is between 30 and [illegible] CHR olefins where R is an alkyl radical with 1-6 carbon atom or an aryl radical comprising reacting, at a temperature between 80 to 135°C,

(i) a magnesium dichloride in active form prepared in a manner as herein described, showing in the X-ray spectrum of the catalyst component a halo appears instead of the most intense diffraction line which appears at an interplanar distance of 2.56 A in the non-activated magnesium dichloride and the maximum intensity of the halo is shifted with respect to said interplanar distance, as support;

(ii) a titanium halide or halogen alcoholate; and

(iii) an electron-donor compound, selected from diethers with the following general formula :



where R R1 and R2, independently, are linear or branched, alkyl, cycloalkyl, aryl, alkylaryl or arylalkyl radicals with 1-18 carbo toms and R nd R may also be hydrogen, in molar ratio with magnesium dichloride between 1/12 to 1/4, said ethers being characterized by the formation of complexes with anhydrous magnesium dichloride at less than 60 m les pe 100 g of magne sm dichlo ide nd the failure to enter into substitution reaction with titanium chloride or of reacting that way at less than 50% by moles.

(Compl. Specn. 52 pages. Drgns. Nil)

Cl. : 128 A

173342

Int. Cl. : A 61 F 13/16, 13/18,
A 41 B 13/02
B 31 D 1/04

ABSORBENT PADS.

Applicant : MCNEIL-PPC, INC. OF VAN LIEW AVENUE MILLTOWN NEW JERSEY 08850, UNITED STATES OF AMERICA.

Inventors :

(1) FRANK S. GLAUG.

(2) WILLIAM B. MATTINGLY, III.

Application No. 885/Cal/89; filed on 24th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

17 Claims

An absorbent pad having a body-facing side and a garment-facing side which comprises :

(a) a fluid permeable cover on said body-facing side;

(b) at least two abutted absorbent chambers formed by fluid controlling walls extending generally along the longitudinal axis of the napkin, said chambers containing absorbent material such that the absorbent material in each of said chambers is substantially

isolated from the absorbent material in adjacent chambers.

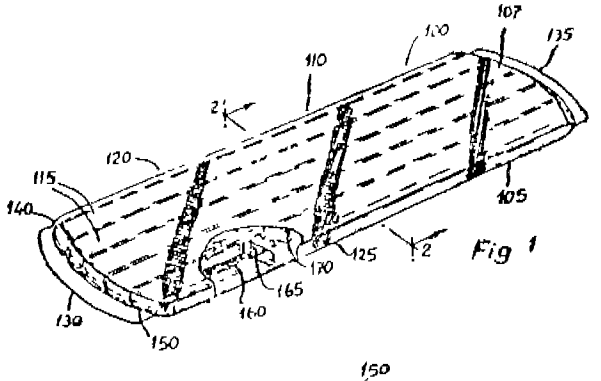


Fig 1

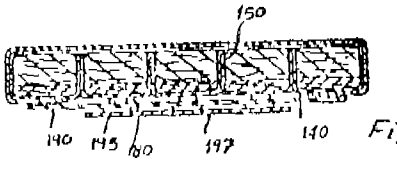


Fig 2

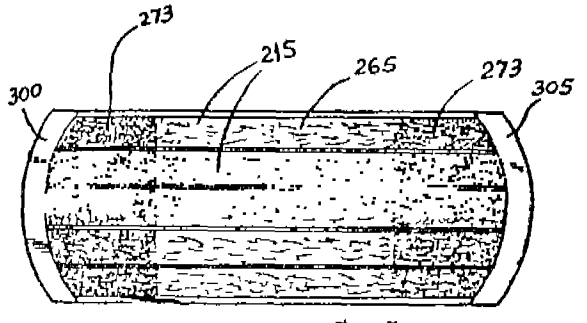


Fig 3

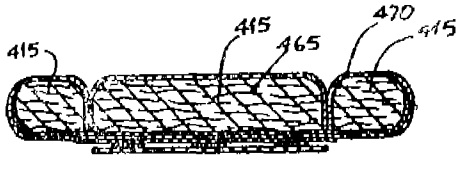


Fig 5

(Compl. Specn. 26 pages. Drgns. 2 sheets)

Cl.: 132 B 2 173343

Int. Cl.: B 28 B 15/00;
B 28 C 9/00

IMPROVEMENTS IN OR RELATING TO GUNNITTING MACHINE.

Applicant & Inventor: SWAPAN KUMAR CHATTOPADHYAY OF 40/7, DANESH SHAIKH LANE, HOWRAH-711109, WEST BENGAL, INDIA.

Application No. 287/Cal/90; filed on 06th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

An improved gunnitting machine, either of continuous or intermittent type, for application of gunning composition onto substrates, which comprises in combination—

(i) means for loading or feeding starting materials into suitable receptacles;

(ii) one or more receptacles for the said starting materials which is charged by said means of feeding, optionally equipped with lid(s) or cover(s);

(iii) a movable mixing arrangement driven by suitable means for rotating or moving such parts that are not fixed into which said starting materials are introduced by means of unloading from said receptacle(s);

(iv) at least one mixing chamber for mixing the individual components wherein the materials coming out of the mixing arrangement are led inside the said mixing chamber through delivery means to obtain gunning composition of desired composition and consistency;

(v) means for delivering the final gunning composition, optionally fitted with means for applying/spraying the said composition at desired level of working pressure; and

(vi) means for controlling the delivery and/or application of the final composition.

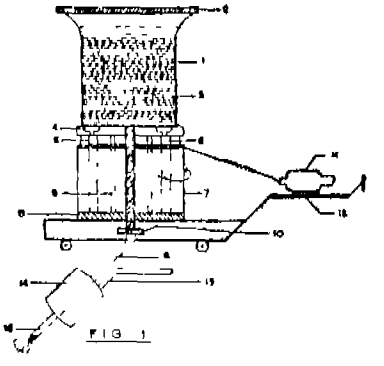


FIG 1

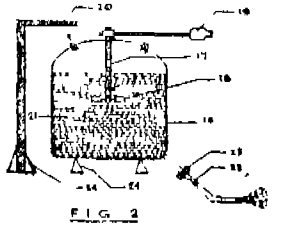


FIG 2

(Compl. Specn. 18 pages; Drgns. 2 sheets)

Cl.: 32 F 2 55 E 4. 173344

Int. Cl.: C 07 D 213/00;
A 61 K 31/445.

A METHOD FOR THE PREPARATION OF PYRIDINE DERIVATIVES.

Applicant : HOECHST CELANESE CORPORATION OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY; USA.

Inventors:
(1) MICHAEL PAUL BODMAN.
(2) JOHN ROBERT FRITCH.
(3) DONALD ROCHARD LARKIN.
(4) WERNER HEINRICH MUELLER.

Application No. 652/Cal/90; filed on 01st August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

17 Claims

A method for the preparation of pyridine derivatives having the formula (II) wherein R_1 and R_2 are each independently CN or C-Z; or wherein one of R_1 and R_2 is CN or C-Z and the other of R_1 and R_2 is H, alkyl, aryl; or wherein R_1 and R_2 together is C-NR_7-C.

wherein Z is OR_5 or NR_5R_6;

wherein R_5 and R_6 are each independently H, alkyl, aryl, arylalkyl, or R_5 and R_6 together with the nitrogen atom form a heterocyclic substituent selected from pyrrolidinyl, pipe-ridinyl, imidazolidyl, and hydrogenated pyrimidinyl; wherein R_7 is H, alkyl, substituted or unsubstituted phenyl or alkoxy; wheerin R_8 and R_{10} are H, alkyl, alkenyl or substituted or unsubstituted aryl, wherein said substituent is selected from alkyl, alkoxy, carboxy, carboalkoxy, halogen and cyano;

wherein R_9 is the same as R_8 and R_{10} above, but also including halogen, and wherein R_9 and R_{10} taken together can be -(CH_2)-3-10.

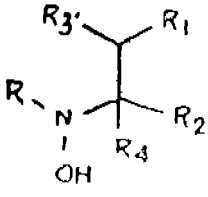
which method comprises the step of:

contacting an N-hydroxy-2-aminoethane derivative of the formula (1-D) wherein R_1 and R_2 are as described above,

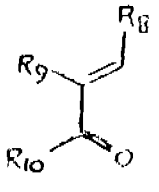
wherein R_3 is H or halogen and

wherein R_4 is H;

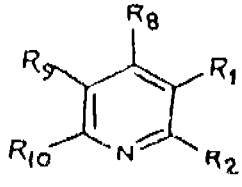
with an α β-unsaturated carbonyl compound of the formula (III) wherein R_8, R_9 and R_{10} are defined as above, in the presence of a reaction medium such as herein described comprising an acid at a temperature ranging from 25°C to 150°C at the contacting pressure, until the reaction is essentially complete to obtain the desired pyridine derivative of Formula II.



(Formula (1-D)



FORMULA (III)



(II)

FORMULA (II)

(Compl. Specn. 50 pages. Drgns. 2 sheets)

Cl.: 32 E; 136 E; 152 E. 173345

Int. Cl.[4]: B 29 B 15/00;
B 29 K 25/00, 27/00, 29/00,
31/00, 33/00, 77/00.
C 08 L 23/00, 25/00, 27/00, 31/00, 33/00.

POLYMER BLEND COMPOSITION HAVING IMPROVED PROCESSIBILITY.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors:
(1) GEORGE RICHARD CHAPMAN, JR.
(2) DONNAN EDWIN PRIESTER,
(3) CHARLES WINFIELD STEWART.

Application No. 10/Cal/91; filed on 01st January 1991.

(Divided out of No. 529/Cal/89; antedated to 05-10-90).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

23 Claims

Polymer blend composition having improved processibility and comprising:

(a) a difficulty melt-processible polymer selected from the group consisting of monoolefin polymers; vinyl aromatic polymers; copolymers of alpha-olefins and vinyl esters, (meth) acrylic esters, acrylonitrile, and (meth) acrylic acids and their (ionomeric) metal salts; chlorinated polyethylene; polyvinyl chloride; polyester and polyamide, and

(1) 2-95 parts by weight, of a fluorocarbon copolymer which at the melt-processing temperature of (a) is either in a melted form if crystalline, or is above its glass transition temperature if amorphous, said b(1) being upto 0.5% by wt. based on (a) and

(2) 98-5 parts by weight to improve processibility, of at least one tetrafluoroethylene homopolymer or copolymer of tetrafluoroethylene and at least one monomer copolymerizable therewith, wherein the mole ratio of fluorine to hydrogen is at least 1 : 1 and which is solid at the melt-processing temperature of (a) and b(2) being from 0.002 to 0.20 wt% based on the weight of (a).

(Compl. Specn. 45 pages. Drgns. 2 sheets)

Cl.: 43 A 4; 206-E. 173346

Int. Cl.: G 02 B 6/00.
H 01 P 11/00.

AN APPARATUS FOR CAUSING A PREFORM ROD TO HAVE A SUBSTANTIALLY STRAIGHT LONGITUDINAL AXIS AND TO HAVE A TRANSVERSE CROSS SECTION ALONG ITS LENGTH.

Applicant : AMERICAN TELEPHONE & TELEGRAPH COMPANY OF 550 MADISON AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors:
(1) GARY LEW BALTZER.
(2) WILLIAM DONALD O'BRIEN JR.
(3) BRIAN LYNCH.

Application No. 78/Cal/91; filed on 25th January 1991.

(Divided out of No. 874/Cal/87, antedated to 06-11-87).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

An apparatus for causing a preform rod to have a substantially straight longitudinal axis and to have a transverse cross section along its length which is substantially circular and which is disposed concentrically about its longitudinal axis, said apparatus comprising supporting means for holding end portions of the preform rod so that the preform rod is capable of rotation about an axis of rotation which extends through the end portions, means for causing the preform rod to be turned rotatably about the axis of rotation, and heating means for causing the rod to be capable of reconfiguration

when the rod is engaged by a roller, said apparatus characterized by :

a roller extending transversely of the axis of rotation and adapted to engage the preform rod;

carriage means for moving said roller and said heating means in a direction along the axis of rotation of the preform rod;

an arm having first and second end portions with said roller being supported at said first end portion of said arm;

reciprocally movable means adapted to be moved cyclically toward and away from the axis of rotation of the preform rod for supporting pivotally said arm;

first electrical contact means mounted on said reciprocally moveable means adjacent to said second end portion of said arm;

second electrical contact means mounted at said second end portion of said arm and spaced from said first contact means which upon a movement in a first direction through a gap between said first and second contact means is caused to engage said first contact means, said second contact means adapted to engage said first contact means when said roller has been moved into suitable engagement with the preform rod as said reciprocally moveable means is being moved towards the axis of the rotation of the preform rod;

biasing means for biasing said roller toward the axis of rotation and being effective upon disengagement of a portion of the preform rod from said roller for causing said second contact means to become spaced from said first contact means; and

control means for causing said reciprocally moveable means to be moved to cause said roller to be moved increamentally toward the preform rod to engage the preform rod and responsive to the continuous engagement of said roller with a predetermined portion of the periphery of the preform rod and for discontinuing the movement of said reciprocally moveable means toward the axis of rotation.

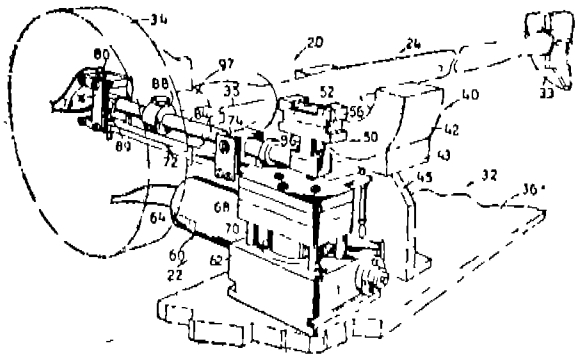


FIG. 1

(Compl. Specn. 19 pages. Drgns. 5 sheets)

Cl. : 55 E 4 173347

Int. Cl.[4] : A 61 K 31/33.

PROCESS FOR THE PRODUCTION OF SOLID ORAL IFOSFAMIDE FORMULATIONS.

Applicant : ASTA MEDICA AKTIENGESELLSCHAFT OF WEISMULLERSTRASSE 45, D-6000 FRANKFURT AM MAIN 1, GERMANY.

Inventors :

(1) DIETER SAUERBIER.

(2) DR. JURGEN ENGEL.

(3) DR. ECKHARD MILSMANN.

(4) DR. KLAUS MOLGE.

(5) DR. OTTO ISAAC.

Application No. 391/Cal/91; filed on 24th May 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

Process for the production of solid oral ifosfamide formulations characterized in mixing at temperature between 15°C and 30°C, 1 part by weight of the active substance ifosfamide and 0.1-4 parts by weight of microcrystalline cellulose such as herein described and optionally 0.001 to 0.1 parts by weight of conventional flow regulating and anti-adhesion agents which are homogeneously mixed and filled into capsules and optionally the so obtained capsules are provided with a usual coating.

(Compl. Specn. 13 pages. Drgns Nil)

Cl. : 55 K, 32 C. 173348

Int. Cl.[4] : A 61 K 31/00, 31/59.
C 07 C 172/00

METHOD OF PRODUCING 1-ALPHA HYDROXY VITAMIN D[4].

Applicant : LUNAR CORPORATION OF 313 WEST BELTLINE HIGHWAY MADISON, WISCONSIN 53713, UNITED STATES OF AMERICA.

Inventors :

(1) JOYCE CLARK KNUTSON.

(2) CHARLES WILSON BISHOP.

(3) ROBERT MICHAEL MORIARTY.

Application No. 719/Cal/91; filed on 23rd September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A method of producing the compound 1 α-hydroxyvitamin D[4]. Comprising : reducing, by a method such as herein described, ergosterol to 22, 23 dihydroxyergosterol, irradiating by a method such as herein described, the 22, 23 dihydroxyergosterol so obtained to form vitamin D[4], and hydroxylating, by a method such as herein described, vitamin D[4] so produced to form 1 α-hydroxy vitamin D[4].

(Compl. Specn. 22 pages. Drgns. 2 sheets)

Cl. 128 G, K. 173349

Int. Cl.[4] : A 61 B 17/34:
A 61 D 1/02.

"IMPROVED SAFETY TROCAR".

Applicant : ETHICON, INC. OF ROUTE NO. 22, SOMERVILLE, NEW JERSEY 08876, UNITED STATES OF AMERICA.

Inventors : (1) JOSE C. DENIEGA, (2) STEPHEN J. FAILLA.

Application No. 108/Cal 92; filed on 18th February, 1992.

(Divided out of No. 522/Cal/89; antedated to 04th July 1989)

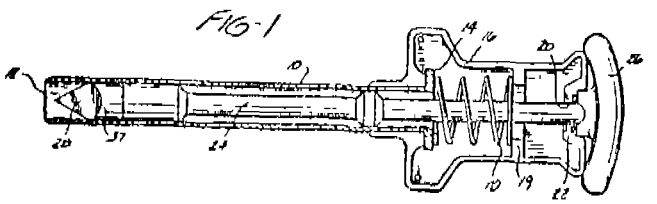
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims.

A trocar including a trocar tube having a proximal end and a distal end, an obturator having a Perforating tip and extendable through the tube to perforate tissue at the distal end of the tube comprising :

a valve located in the proximity of the proximal end of said trocar tube and a sealing member which sealingly engages

an annular member, said annular member surrounding the longitudinal path of said trocar tube and being oriented in a plane which is at an acute angle with respect to said longitudinal path of said trocar tube.



(Compl. Specn. 21 pages. Drgns. 12 sheets.)

Cl. 32 F 1 173350.

Int. Cl. C 07 B 41/08;
C 07 C 51/265

"PROCESS FOR THE PREPARATION OF ALKANESULFONYLBENZOIC ACIDS".

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

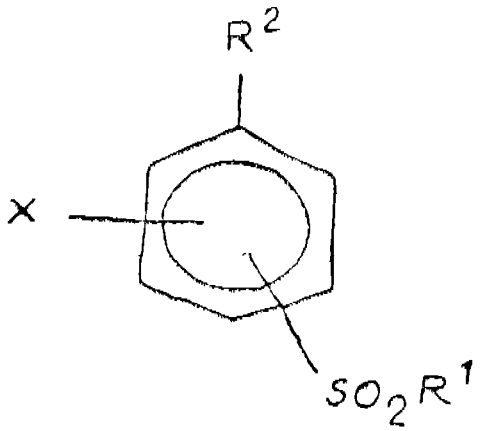
Inventor : FREIMUND ROHRSCHEID.

Application No. 134/Cal/92; filed on 02nd March, 1992.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims.

A process for the preparation of alkanesulfonylbenzoic acids from alkanesulfonylalkylbenzenes of the formula I of the accompanying drawings in which R^1 and R^2 are identical or different and alkyl having 1 to 4 carbon atoms, but R^2 has a meaning other than t-butyl, and X is H, F, Cl, Br or NO_2, using molecular oxygen in acetic acid and/or proplonic acid in the presence of a catalyst containing cobalt and bromine ions and, in particular when the meaning of R^2 is other than methyl, also manganese ions, which is additionally carried out in the presence of metal ions of Main Group 2 and/or 3, the process being carried out at an oxygen partial pressure of 1.5 to 8 and at a temperature of between 120 and 220°C.



FORMULA I

(Compl. Specn. 10 pages. Drgns. 1 sheet.)

Ind. Class - 170-B - [GROUP - XLIII(4)] 173351

Int. Cl.[4] - C 11 D 11/00; 17/00

A PROCESS FOR PREPARING A SPRAY-DRIED PHOSPHATE-REDUCED DETERGENT

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, 4000 DUSSELDORF-HOLTHAUSEN, GERMANY.

Inventors : (1) Dr. JOCHEN HACOBS, (2) Dr. ULRICH JAHNKER (3) Dr. DIETER JUNG, (4) RUDOLF LOFFELMANN & (5) Dr. WILFRIED ADLER.

Application No. 44/MAS/89; filed January 18, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims. (No drawing)

A process for preparing a spray-dried phosphate-reduced detergent component having an increased density of at least 350 g/l containing

(A) 4 to 20% by weight of at least one anionic surfactant,

(B) 2 to 20% by weight of at least one nonionic surfactant,

(C) 20 to 50% by weight of at least one builder,

(D) 3 to 25% by weight washing alkalis,

(E) 0 to 30% by weight of other detergent constituents which are subjected to hot spray/drying, characterized in that a powder, or two or more separately prepared powders which has or have an apparent density of at least 350 g/liter, is or are continuously introduced into a cylindrical, horizontally arranged or slightly inclined (to the horizontal) mixing drum with a smooth inner wall in which a shaft is mounted for axial rotation, being equipped with radially arranged impact tools of which the length (from the central axis) is between 80% and 98% of the internal radius of the drum and in that the rotational speed of the shaft is regulated in such a way that, for a mean residence time of the powder in the drum of 10 to 60 seconds and a constant powder throughput, the Froude, index is from 50 to 1000, at most half the nonionic surfactant, but at most 5% (based on the detergent) being left in the powder and the remainder of the nonionic surfactant being introduced in liquid form into the mixer and 0 to 20% by weight of water-soluble, moisture, adsorbing salts or a finely divided adsorbent material being introduced into the mixed at the same time as the power and obtaining the spray-dried, phosphate-reduced component in a known manner.

(Com. - 27 pages)

Ind. Class - 172-C[2] - [GROUP - XX] 173352

Int. Cl.[4] - D 01 G 19/00; 19/14

A COMBING MACHINE COMPRISING A PLURALITY OF OPERATING STATIONS

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : HEINZ CLEMENT

Application No. 186/MAS/89; filed March 7, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims.

A combing machine comprising a plurality of operating stations wherein each operating station is provided with com-

bining means for combining a combed web into a sliver, an individual monitoring unit and signal transmitting means to transmit signals from the said monitoring unit to a central unit having a display for displaying a fault caused by an individual operating station.

(Com. - 12 pages; Drwgs. - 5 sheets)

Ind. Class - 53-C - [GROUP - LII(5)] 173353
Int. Cl[4] - B 62 M 9/04

VARIABLE RATIO DRIVE MECHANISM FOR BICYCLES.

Applicant : HAMLIN TRANSMISSION CORPORATION, OF SUITE 1, 35 DANBURYROAD, WILTON, CONNECTICUT 06897 U. S. A.

Inventors : (1) GEORGE HAMLIN LEONARD (2) JACK LANDER

Application No. 215/MAS/89; filed March 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims.

A variable ratio drive mechanism, comprising : a rotatably mounted drive mechanism having a plurality of tracks with tooth like formations therein; an endless drive member; a plurality of movable sheave segments, each sheave segment mounted in association with one of said tracks and comprising toothed means engageable with said track and cam locking means for selectively preventing movement of said sheave segment along said track, said cam locking means movable relative to each said sheave segment and mounted for engagement with said endless drive member when said drive mechanism traverses through a predetermined arc of rotation, and for disengagement from said drive member when said drive mechanism is outside said predetermined arc of rotation, said cam locking means impelled by pressure exerted when engaged with said endless drive member to rigidly bias said toothed means against said track; and means associated with each said sheave segment for resiliently biasing its toothed means into engagement with said track.

(Com. - 25 pages; Drwgs. - 7 sheets)

Ind. Class - 172-C$_8$ -[GROUP - XX] 173354
Int. Cl.[4] - D 01 G 15/40

AN APPARATUS FOR DELIVERING A TEXTILE FIBRE WEB FROM A FEED CHUTE IN A SPINNING PLANT

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : PAUL STEHELI

Application No. 219/MAS/89; filed March 21, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An apparatus for delivering a textile fibre web from a feed chute (6) in a spinning plant, the said apparatus comprising at least one non-displaceable delivery means (12; 60) and at least one delivery means (13, 61) displaceable towards and away from the said non-displaceable delivery means, the said displaceable delivery means (13; 61) being movable by drive means (14; 14.1; 14.2) controlled by control means (39) such that, if the said delivery means (12, 13; 60; 61) are stationary, the displaceable delivery means (13; 61) move from an operating position, pressing the fiber web to the non-displaceable delivery means (12; 60) towards a normal position without exerting any pressure on the web by the delivery means.

(Com. 15 pages; Drwgs. 4 sheets)

Ind. Class - 150-G [GROUP - XLVIII(1)] 173355
Int. Cl.[4] - F 16 L 37/00

A COUPLING FOR FLUID LINES

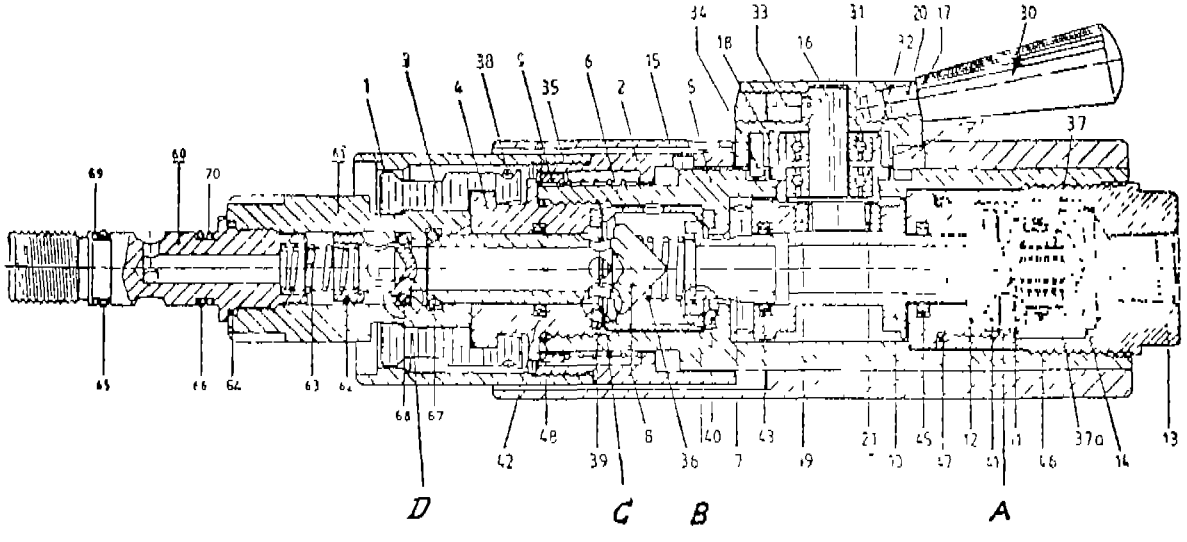
Applicants & Inventors : (1) WEH ERWIN AND (2) WEH WOLFGANG, BOTH OF GERMAN NATIONALITY, AND BOTH OF SIEMENSSTRASSE 5, D-7918 ILLERTISSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 323/MAS/89; filed April 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A coupling for fluid lines for pressure-sealed connection to a counter-connection, comprising : a coupling housing having a longitudinal axis, a piston guide bushing surrounded by a displaceable sleeve arranged on said coupling housing : an operating device with an operating handle on an eccentric shaft for displacing said sleeve on turning said shaft; clamping jaws provided at a front end of said guide bushing for securely connecting said coupling to said counter-connection; an inlet valve arranged in said coupling housing at one side of said operating device; a ventilation valve resiliently biased into its closed position arranged in said coupling housing on the opposite side of said operating device; an outlet valve resiliently bissed into its closed position arranged in said housing face to face to said ventilation valve; said inlet valve and said ventilation valve being alternately movable to an open position by said operating device.



(Com. - 22 pages; Drwgs. 10 sheets)

Ind. Class - 172-C_3 -[GROUP - XX] 173354

Int. Cl.[4] : B 25 B 13/00

AN APPARATUS FOR SCREWING OR UNSCREWING A CLAMP NUT(S) ONTO OR OFF A PLURALITY OF CONNECTION MEMBERS.

Applicant : FRAMATOME, A FRENCH COMPANY, OF TOUR FIAT-1 PLACE DE LA COUPLE, 92400 COURVOIE, FRANCE.

Inventor : FRIZOT ALAIN.

Application No. 659/MAS/89 filed September 1, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

FRAMATOME
659/MAS/89

17 Claims

An apparatus for screwing or unscrewing a clamp nut(s) onto or off a plurality of connection members (2) and an extension piece (13) disposed facing each other, said extension piece (13) of each connection member (2) co-operating with a ring (1) for simultaneously tensioning said connection members, comprising a carriage (20) for the guiding and displacement of said apparatus around the ring (1) tensioning the connection members (2), disengageable means (30) for the displacement and rotational driving of the extension piece (13) which is to be screwed on or off, and disengageable means (40) for the rotational driving of the clamp nut (5) which is to be screwed on or off, said disengageable means (30, 40) being supported by the carriage (20) and being displaceable along an axis parallel to the axis of the connection member (2) and at a speed identical to that of the nut (5) or of the extension piece (13) moving in the course of its screwing or unscrewing.

5 sheets
sh et 2

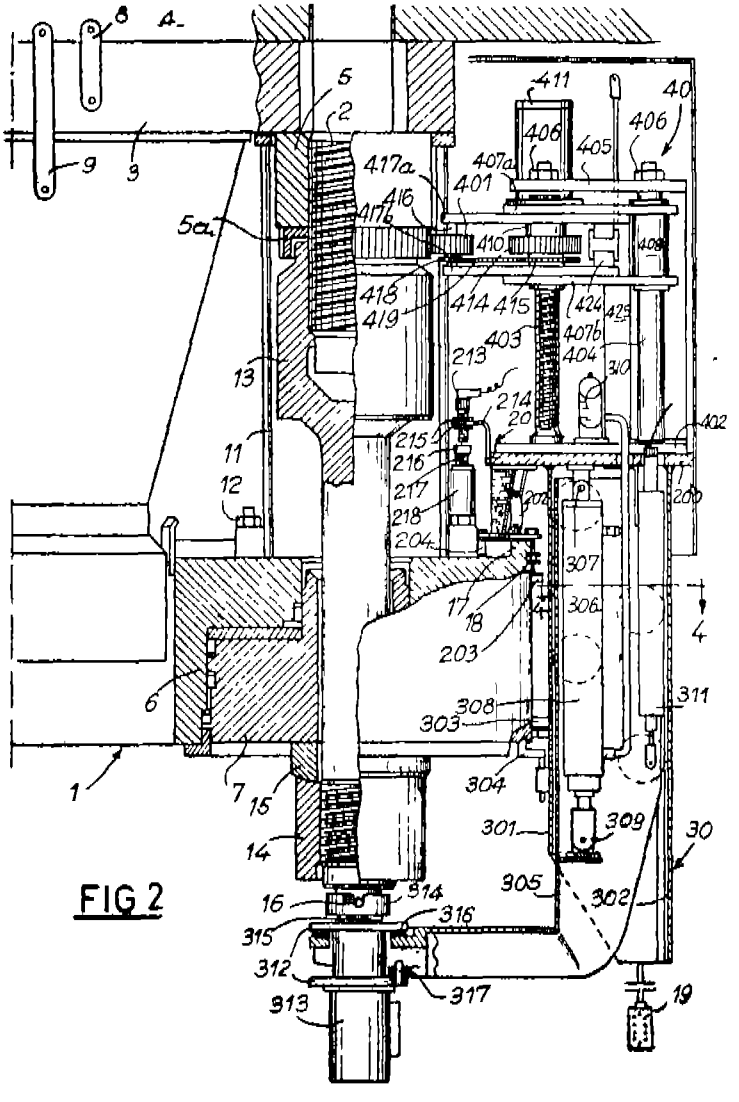


FIG 2

(Com. 19 pages; Drwgs. 5 sheets)

Ind. Class : 172-E [GROUP XX] 173357

Int. Cl.[4] : B 65 H 54/12

AN APPARATUS FOR COMPENSATING THE DIPPING OF THE BOBBIN MANDREL OF A WINDING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, OF KLOSTERSTRASSE 20, 8406 WINTERTHUR, SWITZERLAND, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND.

Inventor (1) GRAF FELIX
(2) BUSENHART PETER.

Application No. 752/MAS/89 filed October 12, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

An apparatus for compensating the dipping of the bobbin mandrel (5) of a winding machine (1) comprising a techometric roller (7) which is arranged radially pressable onto the bobbin surface and which is swivellably held about an axis (B) disposed in a plane bisecting the length of the yarn bobbin (3) and extending vertical to the bobbin axis and a journal (17) elastically connected with a carrier (19) in the winding machine (1) for swivelling the tachometric roller (7).

(Com. 8 pages; Drwgs. 2 sheets)

Ind. Class : 32-F1 [GROUP IX(1)] 173358

Int. Cl.[4] : C 07 D 263/08; 413/02; 413/14

A PROCESS FOR PREPARING FLUOROCHEMICAL OXAZOLIDINONE COMPOUNDS.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF IELAWARE, U.S.A., OF 3M CENTRE, SAINT PAUL, MI ESOTA 55144-1000, U.S.A.

Inventors : (1) DAVIS HAYES CRATER
(2) RICHARD DAVID HOWELIS
(3) RICHARD MARK STERN
(4) JOHN ANDREW TEMPERANTE.

Application No. 344/MAS/91 filed April 30, 1991.

Divisional to Patent Application No. 583/MAS/87; Antedated to August 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A process for preparing fluorochemical oxazolidinone compound represented by formula 1 of the accompanying drawings

in which each R^1 is independently hydrogen or an organic radical, which organic radical can contain-Q-R_f where Q is a linking group and-R_f is a fluoraliphatic radical, each R^2 is independently anorganic radical, which organic radical can contain-Q-R_f with the proviso that there is at least one R_f radical in one of R^1 and R^2, A is an organic radical, a is zero or 1, b is a number from 0 to 6, c is 0, 1 or 2, and the sum of the a+b—c is at least 1, the said process comprises reacting a fluorochemical haloydrin having a hydroxyl group and ahalogen atom an adjacent carbon atoms such as herein described with an inorganic isocyanate under urethane bond-forming conditions at a temperature of 20°C to 100°C to form a fluorochemical, urethane intermediate in the presence of a base such as KOH, NaOH or $NaOCH_3$ to form a normally solid, water-insoluble, fluoroaliphatic radical containing 2-oxazolidinone compound, said compound comprising one or more 2-oxazolidinone moieties as shown in figure 1 of the accompanying drawings, wherein the fluoroaliphatic radical R_f is stable inert, non-polar, monovalent, oleophobic, hydrophobic having 3 to 20 carbon atoms with 40 to 78 weight percent fluorine and three fully fluoroinated terminal caron atoms bonded to the 5-position carbon atom thereof by an organic linking group.

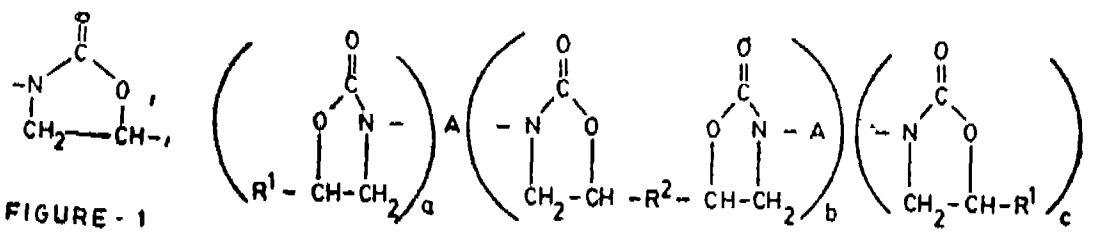


FIGURE - 1

(Com. 50 pages; Drwgs. 9 sheets)

Ind. Class : 172-C5 [GROUP XX] 173359

Int. Cl.[4] : D 01 H 5/32; 5/38

AN APPARATUS FOR AUTOMATICALLY COMPENSATING DENSITY VARIATIONS OF FIBER MATERIAL IN A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) PAUL STAHELI
(2) ROBERT DEMUTH
(3) FRITZSCHE PETER.

Application No. 450/MAS/91 filed June 11, 1991.

Divisional to Patent Application No. 741/MAS/87; Antedated to October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for automatically compensating density variations of fibre material in a textile machine, comprising fiber infeed means for receiving a mass of fiber material whose density variations are to be detected; said fiber infeed means having at least one driven feed roll element forfeeding the mass of fiber material to the said textile machine and at least one fiber infeed element; said driven fiber feed roll element forming in conjunction with said fibre infeed element an invariable size nipping zone forming a passage for the fiber material, open loop means coacting with the said fiber infeed means for generating measuring signals representative of density variations of the throughpassing mass of fiber material in the nipping zone; closed loop means for generating signals representative of desnity variations of fiber material processed in the textile machine at a delivery end of said textile machine; control means for processing at least the generatedsignal representative of the density variations of the throughpassing mass of fiber material in the nipping zone and the generated signal representative of density variations of the processed fiber material at the delivery end of the textile machine to obtain control signals for controlling the rotational speed of the driven fiber feed roll element to produce at the delivery end of the textile machine processed fiber material of uniform density; characterixed in that said fiber infeed means has at least one feed plate defining at least one said fiber infeed element, said feed plate being stationary at least during the detection of the density variations of the mass of fiber material passing through the nipping zone; and the said driven fiber feed roll element comprises a movable feed roll positionally movable from a starting position into an operating position during operation of the fiber infeed means and during detecting the density variations of the received mass of fiber material passing through the said nipping zone.

(Comp. 32 pages; Drwgs. 17 sheets)

Ind. Class-172-C_{11} -[GROUP-XX] 173360

Int. Cl.'-D 01 H 5/32; 5/38

AN APPARATUS FOR AUTOMATICALLY COMPENSATING DENSITY VARIATIONS OF FIBER MATERIAL IN A TEXTILE MACHINE

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) PAUL STAHELI
(2) ROBERT DEMUTH
(3) FRITZSCHE PETER

Application No. 451/MAS/91 filed June 11, 1991.

Divisional to Patent Application No. 741/MAS/87; Antedated to October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for automatically compensating density variations of fiber material in a textile machine, comprising fiber infeed means for receiving a mass of fiber material whose density variations are to be detected; said fiber infeed means having at least one driven feed roll element for feeding the mass of fiber material to the said textile machine and at least one fiber infeed element; said driven fiber feed roll element forming in conjunction with said fiber in feed element an invariable size nipping zone forming a passage for the fiber material; open loop means coating with the said fiber infeed means for generating measuring signals representative of density variations of the throughpassing mass of fiber material in the nipping zone; closed look means for generating signals representative of density variations of fiber material processed in the textile machine at a delivery end of said textile machine control means for processing at least the generated signal representative of the density variations of the throughpassing means of fiber material in the nipping zone and the generated signal representative of density variations of the processed fiber material at the delivery end of the textile machine to obtain control signals for controlling the rotational speed of the driven fiber feed roll element to produce at the delivery end of the textile machine processed fiber material of uniform density; characterized in that said fiber infeed element comprises a counter roll cooperating with said driven fibre feed roll element; means for pivotably mounting said counter roll for pivotal motion about the axis of a pivot; and adjustable stop means limiting the pivotal motion of the counter roll for setting a predetermined invariable size of the nipping zone, means defining an abutment, said counter roll bearing against said abutment when said counter roll is moved into contacting relationship during operation of the fiber infeed means to detect density variations of the mass of fiber material; said closed loop means for generating said measuring signals comprises at least one force measuring unit having at least one force measuring cell operatively coacting with said means defining said abutment and determining forces generated in the nipping zone by the action of the mass of fiber material therein; and said determined forces being generated at said means defining said abutment and thereby to said force measuring cell for generating electrical measuring signals representative of the density variations of the throughpassing mass of fiber material in the nipping zone

(Com.-33 pages; Drwgs.-17 sheets)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by HAMLIN TRANSMISSION CORPORATION in connection with Patent Application No. 215/MAS/89 (173353) has been allowed

The claim made by ROTELEC s.a., France, in Connection with P.A. No. 285/MAS/89 (173367) has been allowed under Section 20(1) of the Patents Act, 1970

OPPOSITION PROCEEDINGS UNDER SECTION 25

An Opposition as entered by M/s. Orissa Industries Limited to the grant of Patent on Patent Application No. 167367 made by M/s. Dalmia Institute of Scientific & Industrial Research notified in the Gazette of India, Part III, Section 2 dated the 20th April, 1991 succeeded and the grant of a Patent thereon refused.

PATENT SEALED
ON 11-3-1994

171815 171900 171901 171902 171903 171904 171905 171907 171909 171912 171915 171916 171917 171918 171921 171922 171929 171930 171933 171934 171935 171936 171938 171941 171959*D 171976 171977* 171979*F 171984* 171985* 171986* 171987 171992* 171994 171997*F 171998*F 171999*F 172000*F 172001 172002.

CAL-11, MAS-23, BOM-02, DEL-04.

Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG PATENT, F—FOOD PATENT.

RENEWAL FEES PAID

152884 153018 154335 154389 154390 154984 155204 155372 155874 156236 156488 156846 156911 157264 157529 158281 158528 158741 159000 159264 159408 159410 159484 159830 159864 159947 160369 161266 161457 161804 161969 162122 162486 162866 162921 163177 163185 163512 163515 163591 163719 163768 163794 163826 163840 163841 164172 164314 164416 164417 164669 164812 164964 164981 164992 165081 165313 165431 165977 166061 166316 166666 166725 166882 167037 167354 168084 168085 168118 168176 168222 168268 168536 168957 169140 169150 169237 169588 169731 169732 169835 169840 169866 170716 170719 170729 171036 171821 171913.

CESSATION OF PATENTS

154629 156509 156864 161609 168732 169166 169307 169315 169361 169604.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 164537 dated the 28th November 1985 made by Foster Wheeler Energy Corporation on the 15th September 1993 and notified in the Gazette of India, Part III, Section 2, dated the 20th November 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 164620 dated the 1st October 1986 made by Winfried Jean Winding on the 30th August 1993 and notified in the Gazette of India, Part III, Section 2, dated the 20th November 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 168898 dated the 4th April 1988 made by Cincinnati Milacron, Inc. on the 17th September 1993 and notified in the Gazette of India, Part III, Section 2 dated the 4th December 1993 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries :

Class 3. No. 165905. Balsara Hygiene Products Ltd., Indian Co. of Balsara House, 43, N. Master Rd., Fort, Bombay-400001, Maharashtra, India. "Tooth Brush". July 21, 1993.

Class 3. No. 165864. Delhi Electronic Instruments & Equipment Mfg. Pvt. Ltd. of A4/2, Maya Puri, Phase-II, New Delhi, India. "Shoe sole". July 14, 1993.

Class 3. No. 166105. Adarsh Packers Pvt. Ltd., 19-B, Industrial Area, Phase-I, Mayapuri, New Delhi-110064, India. "Container lid". August 30, 1993.

Class 3. No. 166189. Creeks of 37—39, Rue Pleyel, 93200 Saint-Denia, France. "Writing implements". September 17, 1993.

Class 3. No. 165761. Pidilite Industries Ltd., Indian Co., Regent Chambers, 7th floor, Jamnalal Bajaj Marg, Nariman Point, Bombay-400021, Maharashtra, India. "Container". June 16, 1993.

Class 3. No. 165829. Shebro Mfg. Co. of 44, Mint Road, Fort, Bombay-400001, Maharashtra, India. "Container". July 2, 1993.

Class 3. No. 166004. Asha Pen Maker, Rodrigues Building, Kirol, Vidhyavihar (W), Bombay-400086, Maharashtra, India. Proprietory Concern. "P tube pen". August 10, 1993.

Class 3. No. 166002. Paresh Dungershi Gada, 5, Pariara, Sadan, Andheri, Kurla Road, Bombay-69, Maharashtra, India. Proprietory Firm. "Plug". August 10, 1993.

Class 3. No. 166001. Deepak Confectionary Works, Shop No. 40, Gandhi Bazar, Chembur Colony, Bombay-74, Maharashtra, India. Proprietory Concern. "Container". August 10, 1993.

R. A. ACHARYA
Controller General of Patents Designs and Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 19

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